

### **Abstract of the Disclosure**

A position sensor including a sensor assembly adapted to mount to a first rail of an automotive seat rail assembly. The sensor assembly includes a Hall device and a magnet. The assembly is mountable to the first rail to cause a first output of the Hall device when the first rail is in a first position relative to a second rail of the automotive seat rail assembly, and to cause a second output of the Hall device when the first rail is in a second position relative to the second rail.